

CLAIMS

1. A cell switching device characterized by comprising:

measuring means (1) for measuring a field intensity with respect to a plurality of base stations adjacent to a base station servicing a mobile station;

switching means (2) for referring to results of the measurements provided by said measuring means and switching, when the field intensity of a base station exceeds a reference intensity, to that base station for communication with the mobile station; and

control means (4) for controlling a time interval for field intensity measurement, in the measuring means, with respect to the base stations, taking into consideration an increasing or decreasing tendency of the field intensity with respect to the base stations measured by the measuring means.

2. The cell switching device according to claim 1, characterized in that:

said control means reduces the time interval for field intensity measurement with respect to a base station as the field intensity undergoes an increase, and extends the time interval for field intensity measurement with respect to the base station as the field intensity

undergoes a decrease.

3. The cell switching device according to claim 1, characterized in that:

said control means controls the time interval for field intensity measurement with respect to the base stations, taking into consideration absolute values of field intensity with respect to the base stations.

4. The cell switching device according to claim 3, characterized in that:

said control means reduces the time interval for field intensity measurement with respect to a base station as the absolute value of field intensity with respect to the base station becomes large.

5. The cell switching device according to claim 1, characterized in that:

said control means controls the time interval for field intensity measurement with respect to a base station, taking into consideration a direction of movement of a satellite.

6. The cell switching device according to claim 1, characterized in that:

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said control means is provided in the base station.

7. A cell switching method characterized by comprising the steps of:

measuring a field intensity of a plurality of base stations adjacent to a base station servicing a mobile station;

switching, when the field intensity of a base station exceeds a reference intensity, to that base station for communication with the mobile station; and

controlling the time interval for field intensity measurement with respect to the base stations, taking into consideration an increasing or decreasing tendency of the field intensity with respect to the base stations.

8. The cell switching method according to claim 7, characterized in that:

the time interval for field intensity measurement with respect to a base station is reduced as the field intensity undergoes an increase, and the time interval for field intensity measurement with respect to the base station is extended as the field intensity undergoes a decrease.

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9. The cell switching method according to claim 7, characterized in that:

the time interval for field intensity measurement with respect to the base stations is controlled, taking into consideration absolute values of the field intensity with respect to the base stations.

10. The cell switching method according to claim 9, characterized in that:

the time interval for field intensity measurement with respect to the base station is reduced as the absolute value of field intensity becomes large.

11. The cell switching method according to claim 7, characterized in that:

the time interval for field intensity measurement with respect to the base stations is controlled, taking into consideration a direction of movement of a satellite.

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